

gentec energy

- Perkins Power

Performance is our Prime objective

GP10 – GP24 60Hz Data



Features and benefits

- World renowned engine and alternator
- Comprehensive Range of Controllers
 - Remote start
 - Auto start
 - AMF
 - synchronising
- Auto Transfer Systems
- Acoustic Enclosures
 - Designed to meet European standards
 - Weather resistant
 - Noise reducing
 - Containerised option for larger sets
 - Plantroom acoustic packages
 - Residential exhaust silencing options
- Optional packaging to meet Telecomms specifications



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OUTPUT RATING @ 0.8pf

Generating Set Model	GP10-2	GP10-3	GP10-4	GP16-2	GP16-3	GP16-4	GP24-2	GP24-3	GP24-4	
Voltage	220/127v	380/220v	480/277v	220/127v	380/220v	480/277v	220/127v	380/220v	480/277v	
Prime Power Rating	kVA	10.2	9.6	10.2	15.8	15.8	15.8	24	24	24
	kW	8.2	7.7	8.2	12.7	12.7	12.7	21.3	21.3	21.3
Standby Rating	kVA	11.3	10.5	11.3	17.5	17.5	17.5	26.6	26.6	26.6
	kW	9	8.5	9	14	14	14	21.3	21.3	21.3

TECHNICAL DATA

Engine Model:	403D-11G	403D-15G	404D-22G
Alternator Model	BCI 164A	BCI 164C	BCI 184E
Number of cylinders	3 / in line	3 / in line	4 / in line
Cubic Capacity: Litres	1.131	1.496	2.16
Aspiration	Naturally Aspirated	Naturally Aspirated	Naturally Aspirated
Engine Speed	1800	1800	1800
Gross Engine Power: Kwm	10.7	14.7	22
Fuel Consumption: lt/hr	3.08	4.22	6.27
Heat Rejection to exhaust system: Kw	8.9	10.3	16.6
Heat Rejection to cooling system: Kw	10.2	13.6	19.9
Total Radiated Heat: Kw	2.6	3.9	3.8
Radiator Cooling air flow: m3/min [*]	45	51	52.2
Combustion Air flow: m3/min	0.9	1.23	1.74
Exhaust Gas flow: m3/min	2.21	3.14	4.34
Fuel Tank Capacity: Litres	100	100	100
Engine Governor	Mechanical	Mechanical	Mechanical
Starting Battery v DC	12	12	12
Frequency: Hz	60	60	60
Class of Alternator windings: (temp)	H	H	H
Class of Alternator windings: (insulation)	H	H	H
Enlosure rating of Alternator	IP23	IP23	IP23

DIMENSIONS & WEIGHTS

Open Set

Length: mm	1325	1325	1360
Width: mm	720	720	720
Height: mm	1118	1125	1164
Weight: Kg Dry	416	492	562

Canopy Sets

Length: mm	1946	1946	1946
Width: mm	720	720	720
Height: mm	1365	1365	1365
Weight: Kg	670	755	580

Ratings Definition:

Prime Power - This rating is applicable for supplying continuous power (at variable load) with no limitation to the annual hours of operation and can supply 10% overload power for 1 hour in 12 hours

Standby Power - This rating is applicable for supplying continuous power (at variable load) in the event of a utility power failure. No overload is permitted on these ratings and the alternator is peak continuous rated (as defined in ISO8528-3)

Ratings in accordance with ISO8528, ISO3046, IEC60034, BS5000 & NEMA MG-1/22

[*] Cooling System designed to operate in ambient temp. up to 50degC

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